

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

POUWELS, P. et al.

Atty. Ref.: 117-509

Serial No. To be assigned

TC/A.U.:

Filed: June 28, 2004

Examiner:

For: MODIFIED BACTERIAL SURFACE LAYER PROTEINS

* * * * *

June 28, 2004

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

As suggested by 37 C.F.R. 1.97, the undersigned attorney brings to the attention of the Patent and Trademark Office the references listed on the attached form PTO-1449.

☒ All listed documents are attached.

☐ This application was filed after June 30, 2003 so that copies of U.S. Patent Publications are not required and are not attached.

☐ Listed foreign patent publications and other documents are enclosed.

☐ The listed documents were cited in the ISR and copies should have been supplied by WIPO directly to the US PTO. If copies are not timely received from WIPO, please telephone the undersigned so that copies can be timely supplied for the Examiner's consideration in this US National Phase Application.

This is not to be construed as a representation that a search has been made or that no better prior art exists, or that a reference is relevant merely because cited.

The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

POUWELS, P. et al.
Serial No. To be assigned

10/500307
DT11 Rec'd PCT/PTO 28 JUN 2004

Respectfully submitted,

NIXON & VANDERHYE P.C.

By: *G. R. Tanigawa* 25,327
for Gary R. Tanigawa
Reg. No. 43,180

GRT:ecb
1100 North Glebe Road, 8th Floor
Arlington, VA 22201-4714
Telephone: (703) 816-4000
Facsimile: (703) 816-4100

INFORMATION DISCLOSURE
CITATION

ATTY. DOCKET NO.

SERIAL NO.

117-509

To be assigned

10/500307

APPLICANT

POUWELS, P. et al.

(Use several sheets if necessary)

FILING DATE

TC/A.U.

June 28, 2004

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
98/33386 A	08/1998	WO			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	MARTINEZ ET AL; "EXPRESSION OF cbsA ENCODING THE COLLAGEN-BINDING S-PROTEIN OF LACTOBACILLUS CRISPATUS JCM5810 IN LACTOBACILLUS CASEI ATCC 393T"; Journal of Bacteriology, vol. 182, no. 23, December 2000, pages 6857-6861, XP002209188.
	SMIT ET AL; "THE S-LAYER PROTEIN OF LACTOBACILLUS ACIDOPHILUS ATCC 4356: IDENTIFICATION AND CHARACTERISATION OF DOMAINS RESPONSIBLE FOR S-PROTEIN ASSEMBLY AND CELL WALL BINDING"; Journal of Molecular Biology, vol. 305, no. 2, 2001, pages 245-257, XP002209189.
	SLEYTR ET AL; "BACTERIAL AND ARCHAEAL S-LAYER PROTEINS: STRUCTURE-FUNCTION RELATIONSHIPS AND THEIR BIOTECHNOLOGICAL APPLICATIONS"; Trends in Biotechnology, Elsevier Publications, Cambridge, GB, vol. 15, no. 1 156, 1997, pages 20-26, XP004016808.
	JAHN-CHMID ET AL; "IMMUNOREACTIVITY OF ALLERGEN (BET V 1) CONJUGATED TO CRYSTALLINE BACTERIAL CELL SURFACE LAYERS (S-LAYERS)"; Immunotechnology (Amsterdam), vol. 2, no. 2, 1996, XP004052675.
	MAASSEN ET AL; "INSTRUMENTS FOR ORAL DISEASE-INTERVENTION STRATEGIES: RECOMBINANT LACTOBACILLUS CASEI EXPRESSING TETANUS TOXIN FRAGMENT C FOR VACCINATION OR MYELIN PROTEINS FOR ORAL TOLERANCE INDUCTION IN MULTIPLE SCLEROSIS"; VACCINE, VOL. 17, NO. 17, 23 APRIL 1999, PAGES 2117-2128, XP004164996.

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.